

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
4 March 2004 (04.03.2004)

PCT

(10) International Publication Number  
**WO 2004/018466 A3**

(51) International Patent Classification<sup>7</sup>: **C07D 471/04**,  
487/04, C12P 41/00, C07D 307/20

(21) International Application Number:  
PCT/DK2003/000539

(22) International Filing Date: 13 August 2003 (13.08.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
PA 2002 01237 22 August 2002 (22.08.2002) DK

(71) Applicant (for all designated States except US): **NEUROSEARCH A/S** [DK/DK]; 93 Pederstrupvej, DK-2750 Ballerup (DK).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **GOULIAEV, Alex**, Haahr [DK/DK]; Brøndsted 223, DK-3670 Veksø Sj. (DK). **BROWN, William, Dalby** [DK/DK]; c/o NeuroSearch A/S, 93 Pederstrupvej, DK-2750 Ballerup (DK). **WÄTJEN, Frank** [DK/DK]; c/o NeuroSearch A/S, 93 Pederstrupvej, DK-2750 Ballerup (DK).

(74) Common Representative: **NEUROSEARCH A/S**; Patent Department, 93 Pederstrupvej, DK-2750 Ballerup (DK).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:  
25 March 2004

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: A METHOD OF PREPARING ENANTIOMERS OF INDOLE-2,3-DIONE-3-OXIME DERIVATIVES

(57) Abstract: The present invention is directed to a method of preparing enantiomers of indole-2,3-dione-3-oxime derivatives.

WO 2004/018466 A3

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/DK 03/00539

10/524441

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D471/04 C07D487/04 C12P41/00 C07D307/20

- 3 FEB 2004

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07D C12P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 98 14447 A (WAETJEN FRANK ; DREJER JOERGEN (DK); NEUROSEARCH AS (DK)) 9 April 1998 (1998-04-09) the whole document	1-6
Y	WO 01 18231 A (LONZA AG ; KALBERMATTEN GEORGES (CH); PETERSEN MICHAEL (CH)) 15 March 2001 (2001-03-15) the whole document	1-6
X		7-9
Y	EP 0 439 779 A (CHISSO CORP) 7 August 1991 (1991-08-07) the whole document	1-6
X		7-9
	---	
	-/--	

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&amp;" document member of the same patent family

Date of the actual completion of the international search

1 December 2003

Date of mailing of the international search report

9. 02. 2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

EVA JOHANSSON /EÖ

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/DK 03/00539

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>EP 0 467 132 A (CHISSO CORP)  22 January 1992 (1992-01-22)  the whole document  -----</p>	7-9

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/DK 03/00539

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9814447	A	09-04-1998	AU 716435 B2	24-02-2000
			AU 4376897 A	24-04-1998
			BG 63874 B1	30-04-2003
			BG 102489 A	30-04-1999
			BR 9706765 A	14-09-1999
			CA 2238410 A1	09-04-1998
			CN 1207100 A ,B	03-02-1999
			CZ 9801606 A3	14-10-1998
			WO 9814447 A1	09-04-1998
			EE 9800144 A	15-10-1998
			EP 0869958 A1	14-10-1998
			HK 1017682 A1	23-05-2003
			HU 9901630 A2	30-08-1999
			JP 2000501432 T	08-02-2000
			JP 3319762 B2	03-09-2002
			NO 982466 A	31-07-1998
			NZ 330456 A	25-11-1998
			PL 327073 A1	23-11-1998
			RU 2190612 C2	10-10-2002
			SK 67698 A3	04-11-1998
			TR 9800956 T1	21-12-1998
			US 6124285 A	26-09-2000
			US RE38200 E1	22-07-2003
			ZA 9708806 A	23-07-1998
-----				
WO 0118231	A	15-03-2001	AU 7418100 A	10-04-2001
			WO 0118231 A2	15-03-2001
-----				
EP 0439779	A	07-08-1991	JP 2542941 B2	09-10-1996
			JP 3228694 A	09-10-1991
			DE 69021711 D1	21-09-1995
			DE 69021711 T2	22-02-1996
			EP 0439779 A2	07-08-1991
			US 5084392 A	28-01-1992
-----				
EP 0467132	A	22-01-1992	JP 2939646 B2	25-08-1999
			JP 4077456 A	11-03-1992
			DE 69124298 D1	06-03-1997
			DE 69124298 T2	05-06-1997
			EP 0467132 A2	22-01-1992
			SG 50443 A1	20-07-1998
			US 5324852 A	28-06-1994
-----				